

SEQ ID NO: 1

1 LNAGITPVVR EYGLGCSGD LAPLSHCALV LMGEGEA

SEQ ID NO: 2

1 GMLNAGITPV VREYGLGCS GDLAPLSHCA LVLMGEGEAT

SEQ ID NO: 3

1 MASAPQITLG LSGATADDVI AVARHEARIS ISPQVLEELA SVRAHIDALA

51 SADTPVYGIS TGFGALATRH IAPEDRAKLQ RSLIRSHAAG MGEPPEREVV

101 RALMFLRAKT LASGRTGVRP VVLETMVGML NAGITPVVRE YGSLGCSGDL

151 APLSHCALVL MGEGEATDAH GDIRPVPELF AEAGLTPVEL AEKEGLALVN

201 GTDGMLGQLI MALADLDELL DIADATAAMS VEAQLGTDQV FRAELHEPLR

251 PHPGQGRSAQ NMFAFLADSP IVASHREGDG RVQDAYS

SEQ ID NO: 4

1 MASAPQITLG LSGATADDVI AVARHEARIS ISPQVLEELA SVRAHIDALA

51 SADTPVYGIS TGFGALATRH IAPEDRAKLQ RSLIRSHAAG MGEPPEREVV

101 RALMFLRAKT LASGRTGVRP VVLETMVGML NAGITPVVRE YGSLGCSGDL

151 APLSHCALVL MGEGEATDAH GDIRPVPELF AEAGLTPVEL AEKEGLALVN

201 GTDGMLGQLI MALADLDELL DIADATAAMS VEAQLGTDQV FRAELHEPLR

251 PHPGQGRSAQ NMFAFLADSP IVASHREGDG RVQDAYSLRC SPQVTGAARD

301 TIAHARLVAT RELAAAIDNP VVLPSGEVTS NGNFHGAPVA YVLDFLAIAV

351 ADLGSIAERR TDRMLDPARS RDLPAFLADD PGVDSGMMIA QYTQAGLVAE

401 NKRLA

SEQ ID NO: 5

1 MASAPQITLG LSGATADDVI AVARHEARIS ISPQVLEELA SVRAHIDALA  
51 SADTPVYGIS TGFGALATRH IAPEDRAKLQ RSLIRSHAAG MGEPPEREVV  
101 RALMFLRAKT LASGRTGVRP VVLETMVGML NAGITPVVRE YGSLGCSGDL  
151 APLSHCALVL MGEGEATDAH GDIRPVPELF AEAGLTPVEL AEKEGLALVN  
201 GTDGMLGQLI MALADLDELL DIADATAAMS VEAQLGTDQV FRAELHEPLR  
251 PHPGQGRSAQ NMFAFLADSP IVASHREGDG RVQDAYSLRC SPQVTGAARD  
301 TIAHARLVAT RELAAIDNP VVLPSGEVTS NGNFHGAPVA YVLDFLAIAV  
351 ADLGSIAERR TDRMLDPARS RDLPAFLADD PGVDSGMMIA QYTQAGLVAE  
401 NKRLAVPASV DSIPSSAMQE DHVSLGWHAA RKLRTSVANL RRILAVEMLI  
451 AGRALDLRAP LKPGPATGAV LEVLRSKVAG PGQDRFLSAE LEAAYDLLAN  
501 GSVHKALEAH LPA

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SEQ ID NO: 6

1 XXXXXXXXXXG XSGXTAXDVX AVARHXARXX XSXXXXEXLA XRXXXDALA  
51 XXXXPVYGXS TGFGALAXRH IXXEXRAXLQ RXXXRSHAAG MGXXVEREVV  
101 RALMFLRXKT XASGXTGVRP XVXXTMXGXL NAGITPVVXE YGSLGCSGDL  
151 APLSHCALXL MGEGEATXXX GXXRPXXELX AXXGXXPVEL XEKEGLALXN  
201 GTDGMLGXLX MALADLXXLX XXADXTAAXS XEAXLGTDXV XXXELHXXXR  
251 PHPGQGXSAX NMXXXLAXSX XXXXHXXXXXX RVQDAYSXRC XPQVXGAXRD  
301 TXXHAXLVAX RELAXXXDNP VVLPXGXVXS NGNFHGAPVA YVLDFLAIXX  
351 ADLGSIXERR TDRXLDXXRS XXL PXFLADD XGVDSGX MIA QYTQAXLVXE  
401 XKRLAVPASX DSIPSSAMQE DHVSXGWXAA RKLRTXVXNL XRIXAVEXXX  
451 AXRAXXL RAX XXLXPXPAXX AVXXXLRXXX AXGPGXDRFL XXXLXAAXXX  
501 XXXGXXXXXAX E

SEQUENCE "0410" 547360

SEQ ID NO: 7

1 ATGGCTTCCG CTCCTCAAAT AACACTTGGC CTAAGTGGCG CAACCGCAGA  
51 CGACGTTATC GCCGTTGCCC GCCACGAAGC CCGCATCAGC ATTTCTCCGC  
101 AAGTACTTGA GGAAGTGGCT TCCGTCCGAG CACATATCGA TGCACTAGCA  
151 TCCGCTGATA CCCCGGTTTA TGGCATTTC A CCGGCTTTG GCGCGTTGGC  
201 AACCCGCCAC ATCGCACCCG AGGATCGCGC CAAGCTGCAG CGCTCCCTCA  
251 TCCGTTCCCA CGCTGCTGGC ATGGGTGAAC CCGTGGAGCG CGAAGTGGTC  
301 CGCGCATTGA TGTTCTTGCG TGCAAAGACC CTGGCTTCCG GCCGCACGGG  
351 CGTTCGCCCC GTTGTCCTTG AGACCATGGT CGGCATGCTC AATGCAGGCA  
401 TCACTCCGGT AGTCCGCGAA TACGGTTCAC TGGGCTGCTC CCGTGACTTG  
451 GCTCCGCTGT CGCACTGCGC ATTAGTGCTG ATGGGCGAGG GCGAAGCCAC  
501 CGATGCCCCAC GGCGACATCC GCCCGGTACC GGAAGTGTTC GCCGAGGCCG  
551 GATTGACCCC TGTCGAACTG GCAGAAAAGG AAGGCCTGGC TCTGGTCAAC  
601 GGCACCGACG GCATGCTCGG CCAGCTGATC ATGGCATTGG CGGACCTCGA  
651 TGAGCTGCTG GACATCGCCG ATGCCACCGC CGCCATGAGC GTTGAAGCCC  
701 AGCTGGGCAC CGATCAGGTA TTCCGCGCAG AACTGCACGA ACCACTGCGC  
751 CCGCACCCAG GCCAGGGCCG CAGCGCCCAG AACATGTTCG CCTTCCTGGC  
801 CGACTCGCCA ATTGTTGCCT CGCATCGCGA GGGAGACGGC CGAGTGCAGG  
851 ATGCCTACTC GCTGCGTTGC TCGCCGCAGG TCACCGGCGC CGCCCGCGAC  
901 ACCATTGCTC ATGCCCGCCT GGTCGCCACC CGCGAACTGG CTGCGGCCAT

951 TGACAACCCT GTGGTGCTGC CCAGCGGCGA AGTGACTIONCC AACGGCAACT

1001 TCCACGGCGC ACCGGTAGCC TACGTGCTGG ACTTCCTTGC CATCGCCGTG

1051 GCCGACCTCG GCTCTATCGC CGAGCGCCGC ACCGACCGCA TGCTCGACCC

1101 AGCCCGCTCC CGCGACCTGC CGGCATTCTT GGCCGACGAT CCGGGTGTGG

1151 ACTCGGGCAT GATGATCGCC CAGTACACCC AGGCCGGCTT GGTGGCAGAA

1201 AACAAGCGGC TGGCAGTTCC TGCCAGCGTT GACTCCATCC CATCCTCGGC

1251 CATGCAGGAA GACCACGTTT CCCTGGGCTG GCATGCGGCG CGCAAGCTGC

1301 GCACCTCGGT AGCGAACCTC CGCCGCATTC TCGCAGTGGA AATGCTGATT

1351 GCCGGCCGCG CCCTGGACCT GCGGGCCCCA TTGAAGCCTG GTCCAGCGAC

1401 CGGTGCGGTG CTTGAAGTAT TGCGCAGCAA GGTTGCAGGC CCCGGCCAGG

1451 ACCGCTTCCT TTCCGCAGAA CTGGAAGCAG CCTATGACCT GCTGGCCAAT

1501 GGCTCGGTGC ATAAGGCCCT CGAAGCTCAC CTGCCTGCAT AA

09/27/2014 10:40 AM RECEIVED

SEQ ID NO: 8

1 MASAPQITLG LSGATADDVI AVARHEARIS ISPQVLEELA SVRAHIDALA

51 SADTPVYGIS TGFGALATRH IAPEDRAKLQ RSLIRSHAAG MGEPVEREVV

101 RALMFLRAKT LASGRSVRPV VLETMVGMLN AGITPVVREY GSLGCSGDLA

151 PLSHCALVLM GEGEATDAHG DIRVPPELFA EAGLTPVELA EKEGLALVNG

201 TDGMLGQLIM ALADLDELLD IADATAAMSV EAQLGTDQVF RAE LHEPLRP

251 HPGQGRSAQN MFAFLADSPI VASHREGDGR VQDAYS

**SECRET**



SEQ ID NO:10

1 MASAPQITLG LSGATADDVI AVARHEARIS ISPQVLEELA SVRAHIDALA

51 SADTPVYGIS TGFGALATRH IAPEDRAKLQ RSLIRSHAAG MGEPVEREVV

101 RALMFLRAKT LASGRSVRPV VLETMVGMLN AGITPVVREY GSLGCSGDLA

151 PLSHCALVLM GEGEATDAHG DIRVPPELFA EAGLTPVELA EKEGLALVNG

201 TDGMLGQLIM ALADLDELDD IADATAAMSV EAQLGTDQVF RAELEHEPLRP

251 HPGQGRSAQN MFAFLADSPI VASHREGDGR VQDAYSLRCS PQVTGAARDT

301 IAHARLVATR ELAAAIDNPV VLPSGEVTSN GNFHGAPVAY VLDFLAIAVA

351 DLGSIAERRT DRMLDPARSR DLPAFLADDP GVDSGMMIAQ YTQAGLVAEN

401 KRLAVPAVDS IPSSAMQEDH VSLGWHAARK LPTSVANLRR ILAVEMLIAG

451 RALDLRAPLK PGPATGAVLE VLRSKVAGPG QDRFLSAELE AAYDLLANGS

501 VHKALEAHL P E



SEQ ID NO: 11

1 XXXXXXXXXXG XSGXTAXDVX AVARHXARXX XSXXXXEXLA XRXXXDALA  
51 XXXXPVYGXS TGFGALAXRH IXXEXRAXLQ RXXXRSHAAG MGXXVEREVV  
101 RALMFLRXKT XASGXX-VRP XVXXTMXGXL NAGITPVVXE YGSLGCSGDL  
151 APLSHCALVL MGEGEATXXX GXXRPXXELX AXXGXXPVEL XEKEGLALXN  
201 GTDGMLGXLX MALADLXXLX XXADXTAAXS XEAXLGTDXV XXXELHXXXR  
251 PHPGQGXSAX NMXXXLAX-S XXXXXHXXXX X---RVQDAY SXRCXPQVXG  
301 AXRDTXXHAX LVAXRELAXX XDNPVVLPXG -XVXSNGNFH GAPVAYVLDF  
351 LAIXXADLGS IXERRTDRXL DXXRSXXLPX FLADDXGVDS GXMIAQYTQA  
401 XLVXEXKRLA VPA-XDSIPS SAMQEDHVSX GWXAARKLXT XVXNLXRIXA  
451 VEXXXAXRAX XLRAX-XXXX PAXXAVXXXL RXXXA-GPGQ DRFLXXXLXA  
501 AXXXXXXX-- -X-XXXXXEX XXXX

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SEQ ID NO: 12

1 ATGGCTTCCG CTCCTCAAAT AACACTTGGC CTAAGTGGCG CAACCGCAGA  
51 CGACGTTATC GCCGTTGCCC GCCACGAAGC CCGCATCAGC ATTTCTCCGC  
101 AAGTACTTGA GGAAGTGGCT TCCGTCCGAG CACATATCGA TGCACTAGCA  
151 TCCGCTGATA CCCCGGTTTA TGGCATTTC AACCAGCTTTG GCGCGTTGGC  
201 AACCCGCCAC ATCGCACCCG AGGATCGCGC CAAGCTGCAG CGCTCCCTCA  
251 TCCGTTCCCA CGCTGCTGGC ATGGGTGAAC CGGTGGAGCG CGAAGTGGTC  
301 CGCGCATTGA TGTTCTTGCG TGCAAAGACC CTGGCTTCCG GCCGCAGCGT  
351 TCGCCCGGTT GTCCTTGAGA CCATGGTCGG CATGCTCAAT GCAGGCATCA  
401 CTCCGGTAGT CCGCGAATAC GGTTCACTGG GCTGCTCCGG TGAAGTTGGT  
451 CCGCTGTCGC ACTGCGCATT AGTGCTGATG GGCGAGGGCG AAGCCACCGA  
501 TGCCACCGGC GACATCCGCC CGGTACCGGA ACTGTTCGCC GAGGCCGGAT  
551 TGACCCCTGT CGAACTGGCA GAAAAGGAAG GCCTGGCTCT GGTCAACGGC  
601 ACCGACGGCA TGCTCGGCCA GCTGATCATG GCATTGGCGG ACCTCGATGA  
651 GCTGCTGGAC ATCGCCGATG CCACCGCCGC CATGAGCGTT

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GAAGCCCAGC

701 TGGGCACCGA TCAGGTATTC CGCGCAGAAC TGCACGAACC ACTGCGCCCCG  
751 CACCCAGGCC AGGGCCGCAG CGCCCAGAAC ATGTTGCCTT TCCTGGCCGA  
801 CTCGCCAATT GTTGCCTCGC ATCGCGAGGG AGACGGCCGA GTGCAGGATG  
851 CCTACTCGCT GCGTTGCTCG CCGCAGGTCA CCGGCGCCGC CCGCGACACC  
901 ATTGCTCATG CCCGCCTGGT CGCCACCCGC GAACTGGCTG CGGCCATTGA  
951 CAACCCTGTG GTGCTGCCCA GCGGCGAAGT GACTTCCAAC GGCAACTTCC  
1001 ACGGCGCACC GGTAGCCTAC GTGCTGGACT TCCTTGCCAT CGCCGTGGCC  
1051 GACCTCGGCT CTATCGCCGA GCGCCGCACC GACCGCATGC TCGACCCAGC  
1101 CCGCTCCCGC GACCTGCCGG CATTCTGGC CGACGATCCG GGTGTGGACT  
1151 CGGGCATGAT GATCGCCCAG TACACTCAGG CCGGCTTGGT GGCAGAAAAC  
1201 AAGCGGCTGG CAGTTCCTGC AGTTGACTCC ATCCCATCCT CGGCCATGCA  
1251 GGAAGACCAC GTTTCCTGG GCTGGCATGC GGCGCGCAAG CTGCCGACCT  
1301 CGGTAGCGAA CCTCCGCCGC ATTCTCGCAG TGGAAATGCT GATTGCCGGC  
1351 CGCGCCCTGG ACCTGCGGGC CCCATTGAAG CCTGGTCCAG

09B3745-041301



1501 GTGCATAAGG CCCTCGAAGC TCACCTGCCT GAATAA

**SECRET**